

9799

Original

Diag. Cht. No. 1282.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey PLANIMETRIC

Field No. Ph-6006 Office No. T-9799

LOCALITY

State TEXAS

General locality GALVESTON BAY

Locality DICKINSON BAYOU

1960-1962

CHIEF OF PARTY

Joseph K. Wilson, Chief of Party 720
V. R. Sobieralski, Tampa District Officer

LIBRARY & ARCHIVES

DATE January 1965

USCOMM-DC 5087

9799

DESCRIPTIVE REPORT - DATA RECORD

T -9799

Project No. (II): PH-6006

Quadrangle Name (IV):

Field Office (II): Texas City, Texas

Chief of Party: Joseph K. Wilson

Photogrammetric Office (III): Tampa, Florida

Officer-in-Charge: V. R. Sobieralski

Instructions dated (II) (III): Field & Office (732ms) not dated
received Sept. 1960
Amendment " " Feb. 14, 1961

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): Kelsh Plotter

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III): 1:6,000

Scale Factor (III): Pantographed to 1:10,000

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): MHW

~~Mean low water~~ except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (5) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): DICKENSON 1932

Lat.: 29°27'23.012" (708.5 m)

Long.: 94°58'19.802" (533.6 m)

Adjusted
~~Horizontal~~

Plane Coordinates (IV):

State: TEXAS

Zone: SO. CENTRAL

Y= 612,196.91 FT.

X= 3,281,523.60 FT.

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office,
or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.

DESCRIPTIVE REPORT - DATA RECORD

PLANIMETRIC

Areas contoured by various personnel

(Show name within area)

(61) (109)

(ii) (iii)
Inapplicable

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): Matthew A. Stewart Date: April 1961

Planetable contouring by (II): Inapplicable Date:

Completion Surveys by (II): J.H. Blumer Date: Dec 1962

Mean High Water Location (III) (State date and method of location): Date of Photography: Sept. 17, 1960
Air photo compilation

Projection and Grids ruled by (IV): J.D.C. (W.O.) Date: June 1961

Projection and Grids checked by (IV): J.F. (W.O.) Date: " "

Control plotted by (III): I. I. Saperstein Date: Sept. 1961

Control checked by (III): R. J. Pate Date: " "

~~Resection~~ Stereoscopic Control extension by (III): W. O. Date: Oct. 1961

Planimetry R. E. Smith Date: Nov. 1961
Stereoscopic Instrument compilation (III): Contours Date:

Manuscript delineated by (III): R. E. Smith Date: Nov. 1961

of compilation
Photogrammetric Office Review/by (III): W. H. Shearouse Date: Nov. 1961

Elevations on Manuscript
checked by (II) (III): Inapplicable Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): Wild Single-lens "S"

PHOTOGRAPHS (III)					
Number	Date	Time	Scale	Stage of Tide	
60-S-2293A	Sept. 17, 1960	14:58	1:30,000	Diaposi-	0.9
2294A	" " "	14:59	"	tive	"
2295A	" " "	"	"	"	"
60-S-2309A	" " "	15:19	"	"	"
2310A	" " "	15:20	"	"	"
2311A	" " "	15:21	"	"	Inland

Predicted Tide (III)

Reference Station: GALVESTON
Subordinate Station: Texas City Turning Basin
Subordinate Station:

Diurnal		
Ratio of Ranges	Mean Range	Spring Range
-	1.0	1.4
1.0	1.0	1.4

Washington Office Review by (IV):

Date:

Final Drafting by (IV): R. E. Smith (Tampa District Office)

Date: Dec. 1961

Final drafting reviewed: W.H. Shearouse (TDO)

Jan. 1962

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 14.5

Shoreline (Not less than 200 meters to opposite shore) (III): 10.1

Shoreline (less than 200 meters to opposite shore) (III):

Control Leveling - Miles (II): Inapplicable

Number of Triangulation Stations searched for (II): 4

Recovered: 2

Identified: 2

Number of BMs searched for (II): 0

Recovered: 0

Identified: 0

Number of Recoverable Photo Stations established (III): 0

Number of Temporary Photo Hydro Stations established (III): 0

Remarks:

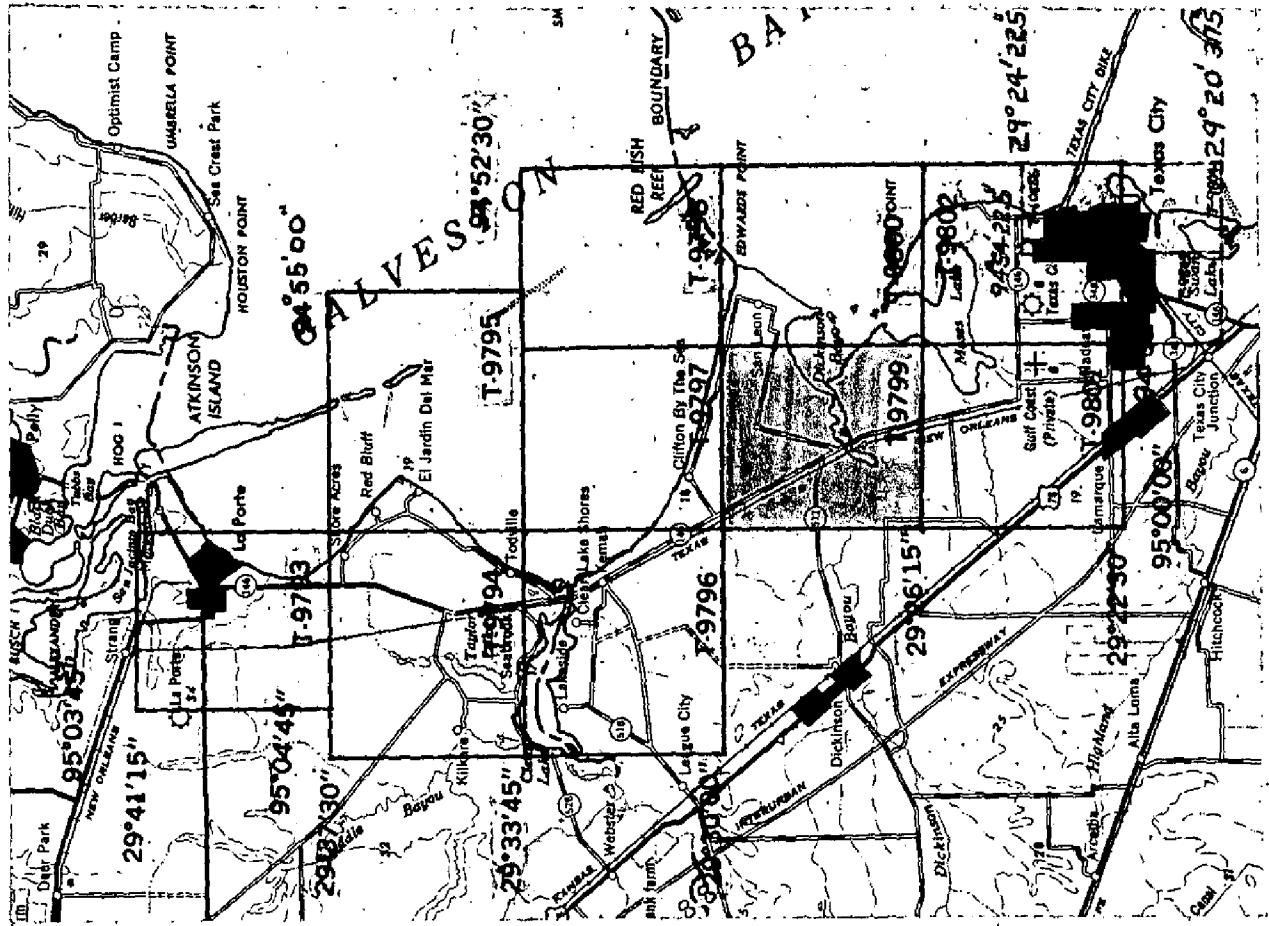
PROJECT PH-6006

Planimetric Mapping

West Shore Galveston Bay

TEXAS

1:10,000 AND 1:5,000 SCALE



Official Mileage for Cost Accounts

Sheet Number	Area Sq. Mi.	Shoreline Linear Miles
9793	14	6
9794	18	7
9795	2	5
9796	15	10
9797	3	4
9798	1	7
9799	15	10
9800	3	9
9801	16	4
9802	10	10
9803	13	3
9804	10	14
10886	6	9
	<u>126</u>	<u>98</u>

FIELD INSPECTION REPORT
Maps T-9799- T-9800
Project Ph-6006

2. Areal Field Inspection.

These maps are located in the southeastern part of Texas, along the west side of Galveston Bay, about five miles north and northwest of Texas City. Map T-9799 is entirely rural. The land area is low flat grassland. Cattle raising and a small amount of farming are the chief industries. The principal crops are rice and figs. About three-fourths of map T-9800 is covered by a part of Galveston Bay. The land area consists of the small settlement of San Leon, which is located on and around Eagle Point. The shallow waters adjacent to Eagle Point contain many oyster reefs and the dredging of oysters employs many of the population. The area around Eagle Point also caters to tourist and sportsmen. Boats for hire are available and several motels are located here.

Field inspection is believed complete and was performed on the following single lens photographs; 60S2293A through 60S2295A, 60S2309A through 60S2311A and 60S9951A. No items were deliberately left for field edit.

The photographs were taken in August and September of 1960 and were of very good quality. No difficulty was encountered in their interpretation in the field.

3. Horizontal Control.

All Coast and Geodetic Survey Stations were searched for. The recovered stations were identified to control the plot. The requirements for horizontal control, as indicated by a special copy of the project diagram, were adequately met in these maps.

No supplemental control was established within these maps.

Horizontal control was identified on a set of 1:30,000 scale contact prints of the photography.

The following stations were reported lost;

T-9799
Dickinson (USE) 1900
San Leon 1933

T-9800
April Fool Point (USE) 1900
Dickinson Beacon No. 1 1911
Dickinson Bayou Beacon No. 1 1933
Dickinson Beacon No. 5 1911
Miller Point (USE) 1900
North Galveston Hotel 1911

4. Vertical Control.

Three tidal bench marks, established by the Coast and Geodetic Survey, were searched for. Two were recovered and one was identified. These bench marks are, Eagle Point, Galveston Bay Tidal Bench Marks 1, 2, and 3 (1933). Bench mark number 1 was identified. These marks are located on Eagle Point in map T-9800.

5. Contours and Drainage.

Contours are inapplicable. Drainage is self-evident from an examination of the photographs.

6. Woodland Cover.

There is no woodland cover within these maps.

7. Shoreline and Alongshore Features.

The mean high water line was inspected by skiff running close to shore and by walking along the shore. It has been indicated on the photographs.

The low water line was not located or indicated. There is little or no foreshore in these maps. There are no bluffs or cliffs.

Shore ends of submarine cables and or pipelines have been indicated on the photographs.

8. Offshore Features.

The only offshore features are the aids to navigation marking the channel into Dickinson Bayou. These aids were located by theodolite cuts from points identifiable on the photographs.

9. Landmarks and Aids.

All landmarks for nautical charts and fixed aids to navigation are adequately covered by Form 567. This form for the entire project was submitted to Washington on 3 April 1961.

There are no aeronautical aids within these maps.

10. Boundaries, Monuments and Lines.

A part of the corporate limits of Texas City crosses these maps. The limits have been indicated on single lens photographs 60S2294A, 60S2309A and on nine lens photograph 56497. The nine lens photograph was submitted with data for map T-10787, Project Ph-5910. An official map showing the corporate limits was also submitted with the Project Ph-5910 data.

11. Other Control.

None was established.

12. Other Interior Features.

All roads were driven and have been classified on the photographs.

All buildings were inspected and landmark buildings have been indicated on the photographs.

The measurement of bridges and cables was not required.

There are no airports or landing fields in these maps.

13. Geographic Names.

A systematic investigation of Geographic Names was not required. The field inspector was alert for any new names but none are recommended.

14. Special Reports and Supplemental Data.

1 map, corporate limits Texas City, Submitted to Washington 2/2/61
1 nine lens photograph number 56497, Submitted to Washington 2/2/61
Form 567, Submitted to Washington 3/4/61
Letter of Transmittal submitted with this data.

Submitted,

William M. Reynolds
William M. Reynolds

SCALE FACTOR

FACTOR DISTANCE
FROM GRID OR PROJECTION LINE
IN METERS
FORWARD (BACK)

✓ " 19/E/16 511.14

11	11
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[illegible]

COMPILATION REPORT
T-9799

PHOTOGRAMMETRIC PLOT REPORT

The analytic aerotriangulation bridge was run in the Washington Office. The report is submitted with T-9803.

31. DELINEATION

The Kelsh Plotter was used in delineation. Field inspection was adequate and no difficulty was encountered in the interpretation of the photographs.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate. Alongshore details such as piers, bulkheads, etc. have been shown according to the field inspector's notes. No low-water line was shown.

36. OFFSHORE DETAILS

All offshore details have been shown according to the field inspector.

37. LANDMARKS AND AIDS

Form 567 for six aids to navigation was submitted to the Washington Office under date of May 2, 1962. There are no landmarks.

COMPILATION RECORD

COMPLETION DATE

REMARKS

Compiled from field inspection done prior to hurricane CARLA of September 11, 1961	November 1961	superseded
Compilation complete Alongshore area revised from field edit	Oct. 1963	

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junctions have been made with T-9797 to the north, T-9801 to the south, T-9800 to the east. This sheet lies within the northwest quadrant of AMS 1:24,000 scale quadrangle TEXAS CITY, TEXAS, published by the USGS in 1954. Positions of main roads and railroads are in reasonably good agreement at the limits of the two maps.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with USGS TEXAS CITY quadrangle scale 1:24,000 edition of 1954. The comparison is favorable.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart 1282, scale 1:80,000 edition of Aug. 1, 1960, revised Jan. 23, 1961, corrected to Feb. 1961; comparison is favorable.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

R. E. Smith

R. E. Smith
Carto-photo Aid

Approved and forwarded:

V. Ralph Sobieralski
V. Ralph Sobieralski
Tampa District Officer

49. NOTES FOR THE HYDROGRAPHER

Attention is called to the fact that the November 1961 compilation of this map was done from photographs taken and field inspection done before hurricane CARLA of Sept. 11, 1961.

14

FORM 182 (9-61)		PHOTOGRAMMETRIC OFFICE REVIEW		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
50.		T. 9799		COM. D. 11	
1. PROJECTION AND GRIDS WHS		2. TITLE WHS		3. MANUSCRIPT NUMBERS WHS	4. MANUSCRIPT SIZE WHS
		1a. Classification label <u>unclassified</u>			
CONTROL STATIONS	5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY WHS		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) XX		
	7. PHOTO HYDRO STATIONS XX	8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES WHS	10. PHOTOGRAMMETRIC PLOT REPORT W.O.	
	11. DETAIL POINTS IIS				
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE WHS	13. LOW-WATER LINE XX	14. ROCKS, SHOALS, ETC. XX	15. BRIDGES WHS	
	16. AIDS TO NAVIGATION WHS	17. LANDMARKS XX	18. OTHER ALONGSHORE PHYSICAL FEATURES WHS		
	19. OTHER ALONGSHORE CULTURAL FEATURES WHS				
PHYSICAL FEATURES	20. WATER FEATURES WHS		21. NATURAL GROUND COVER WHS		
	22. PLANETABLE CONTOURS XX		23. STEREOSCOPIC INSTRUMENT CONTOURS XX		
	24. CONTOURS IN GENERAL XX		25. SPOT ELEVATIONS XX		
	26. OTHER PHYSICAL FEATURES WHS				
CULTURAL FEATURES	27. ROADS WHS	28. BUILDINGS WHS	29. RAILROADS WHS		
	30. OTHER CULTURAL FEATURES WHS				
BOUNDARIES	31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX		
MISCELLANEOUS	33. GEOGRAPHIC NAMES WHS		34. JUNCTIONS WHS		
	35. LEGIBILITY OF THE MANUSCRIPT WHS	36. DISCREPANCY OVERLAY XX		37. DESCRIPTIVE REPORT WHS	
	38. FIELD INSPECTION PHOTOGRAPHS WHS		39. FORMS WHS		
	SIGNATURE OF REVIEWER <i>William H. Shearouse</i> William H. Shearouse		SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT <i>Milton M. Slavney</i> Milton M. Slavney		
40. FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT-Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side.					
SIGNATURE OF COMPILER <i>J. Honick</i> J. Honick			SIGNATURE OF SUPERVISOR <i>Milton M. Slavney</i> Milton M. Slavney		

USE REVERSE SIDE FOR REMARKS

USCOMM-DC 25353-P61

Review Report
of Planimetric Maps

T-9793 thru T-9804 and T-10886

August 1964

61. General Statement

This project is a continuation of mapping Project PH-5910 (21024). It completes our modern base mapping along the western side of Galveston Bay for nautical and aeronautical charting programs.

62. Comparison with Registered Topographic Surveys

T-283	1:20,000	1850
T-298	1:20,000	1850
T-4860	1:20,000	1933
T-4867	1:20,000	1934
T-6051	1:10,000	1934
T-8944	1:10,000	1947

Cultural and shoreline changes have been continuous with extensive cultural changes in the urban areas. These maps are to supersede the above surveys for common area for nautical charting.

63. Comparison with Maps of Other Agencies

Texas City	1:24,000	1954
La Porte	1:24,000	1955
League City	1:24,000	1955
Bacliff	1:24,000	1956
Virginia Point	1:24,000	1956

There are cultural and shoreline differences but, in general the agreement is good.

64. Comparison with Contemporary Hydrographic Surveys

H-8693	1:10,000	1962
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* Shoreline and control was furnished prior to hydrography and no changes of importance have been made.

* Refer to review report addendum (page 17) and Form 567 (page 19).

GEOGRAPHIC NAMES

T-9799 (Dickenson Bayou)

April-Pool-Point

Dickenson Bay

Dickenson Bayou

Humble Camp

Salt Lake

San Leon Station

A. J. Wraight
A. J. Wraight
Geographic Names

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of Planimetric Maps

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16
#-
65. Comparison with Nautical Charts

588	1:10,000	1964
886	1:40,000	1963
1282	1:80,000	1963 revised to May 1964

Differences exist. However, there are no items to be applied immediately.

66. Adequacy of Results and Future Surveys

These surveys were prepared according to project instructions and are within the requirements for adequacy and accuracy.

Reviewed by:

L. C. Lande
L. C. Lande

Approved by:

Charles L. Lamm
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

J. E. Vaughn 1/13/65
Chief, Photogrammetric Division

17

REVIEW REPORT

Addendum
T-9799

The date of this survey is 1960-1962. Final review was completed in 1964. A discrepancy - in the location of Daybn. 35 - between the subject survey and contemporary hydrographic survey H-8693 was reported to the Photogrammetry, Quality Control and Review Group by the hydrographic survey reviewer. This Daybn. was relocated by the hydro party. The position has been changed on T-9799 to agree with the hydro survey position.

No Form 567 was previously included in the Descriptive Report. The positions of all aids were scaled and a Form 567 completed. A copy was furnished the Marine Charts Division.

S. G. Blankenbaker

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

STRIKE OUT TWO

I recommend that the following objects which have *(have not)* been inspected from seaward to determine their value as landmarks be charted on *(deleted from)* the charts indicated.

The positions given have been checked after listing by S. G. Blankenbaker

Positions scaled S.G.B; Checked H.R.

Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating* aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS